

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-132 (Cancelled)

133. (Currently Amended) A method of generating one or more database systems, the method comprising:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions for generating a database system for business from a user, the received instructions including semantic definitions ~~from a user~~, wherein the received instructions ~~including semantic definitions~~ are entered into the metadata schema and are used to create ~~a database~~ the database system for business; and

generating the database system for business automatically using the semantic definitions included in the received instructions, whereby the database system for business is well-formed.

134. (Currently Amended) The method of claim 133, wherein automatically generating the database system for business further comprises:

generating tables automatically according to the received instructions.

135. (Cancelled)

136. (Currently Amended) The method of claim 133, further comprising:

building aggregate tables according to the received instructions.

137. (Currently Amended) The method of claim 133, further comprising wherein operating on the database system for business further comprises:

receiving further instructions defining a query mechanism from a user to  
~~define a query mechanism~~; and  
generating queries according to the received further instructions.

138. (Currently Amended) The method of claim 133, further comprising wherein operating on the database system for business further comprises:

generating reports according to the received instructions.

139. (Presently Presented) The method of claim 133, further comprising:

receiving a modification of the metadata schema; and  
adjusting the database system for business automatically according to the  
modification.

140. (Currently Amended) A method of generating one or more database systems, the method comprising:

providing a metadata system that includes a metadata schema, a facility for  
entering instructions into the metadata schema, and a facility for manipulating the  
metadata schema;

receiving instructions for generating a database system for business, the  
received instructions containing semantic definitions for the metadata schema; and

generating the database system for business automatically using the semantic  
definitions included in the received instructions, whereby the database system for  
business is well-formed.

141. (Currently Amended) A computer system, comprising:

a computer including a processor and a memory;

a computer program stored in the memory and executed by the processor,  
wherein the computer program includes computer instructions for:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions for generating a database system for business from a user, the received instructions including semantic definitions ~~from a user~~, wherein the received instructions ~~including semantic definitions~~ are entered into the metadata schema and are used to create ~~a database~~ the database system for business; and

generating the ~~business~~ database system for business automatically using the semantic definitions included in the received instructions, whereby the database system for business is well-formed.

142. (Currently Amended) The computer system of claim 141, wherein the computer program further includes computer instructions for:

generating tables automatically according to the received instructions.

143. (Cancelled)

144. (Currently Amended) The computer system of claim 141, wherein the computer program further includes computer instructions for:

building aggregate tables according to the received instructions.

145. (Currently Amended) The computer system of claim 141, wherein the computer program further includes computer instructions for:

receiving further instructions defining a query mechanism from a user ~~to define a query mechanism~~; and

generating queries according to the received further instructions.

146. (Currently Amended) The computer system of claim 141, wherein the computer program further includes computer instructions for:

generating reports according to the received instructions.

147. (Currently Amended) The computer system of claim 141, wherein the computer program further includes computer instructions for:

receiving a modification of the metadata schema; and

adjusting the ~~business~~ database system for business automatically according to the modification.

148. (Currently Amended) A computer system, comprising:

a computer including a processor and a memory;

a computer program stored in the memory and executed by the processor, wherein the computer program includes computer instructions for:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions for generating a database system for business, the received instructions including ~~containing~~ semantic definitions for the metadata schema; and

generating the database system for business automatically using the semantic definitions included in the received instructions, whereby the database system for business is well-formed.

149. (Currently Amended) A computer readable storage medium encoded with software instructions, wherein execution of the software instructions comprises:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions for generating a database system for business from a user, the received instructions including semantic definitions ~~from a user~~, wherein the received instructions ~~including semantic definitions~~ are entered into the metadata schema and are used to create ~~a business database~~ the database system for business; and

generating the database system for business automatically using the semantic definitions included in the received instructions, whereby the database system for business is well-formed.

150. (Currently Amended) The computer readable storage medium of claim 149, wherein execution of the software instructions further comprises:

generating tables automatically according to the received instructions.

151. (Cancelled)

152. (Currently Amended) The computer readable storage medium of claim 149, wherein execution of the software instructions further comprises:

building aggregate tables according to the received instructions.

153. (Currently Amended) The computer readable storage medium of claim 149, wherein execution of the software instructions further comprises:

receiving further instructions defining a query mechanism from a user ~~to define a query mechanism~~; and

generating queries according to the received further instructions.

154. (Currently Amended) The computer readable storage medium of claim 149, wherein execution of the software instructions further comprises:

generating reports according to the received instructions.

155. (Currently Amended) The computer readable storage medium of claim 149, wherein execution of the software instructions further comprises:

receiving a modification of the metadata schema; and

adjusting the ~~business~~ database system for business automatically according to the modification.

156. (Currently Amended) A computer readable storage medium encoded with software instructions, wherein execution of the software instructions comprises:

providing a metadata system that includes a metadata schema, a facility for entering instructions into the metadata schema, and a facility for manipulating the metadata schema;

receiving instructions for generating a database system for business, the received instructions containing semantic definitions for the metadata schema; and

generating the database system for business automatically using the semantic definitions included in the received instructions, whereby the database system for business is well-formed.

157. (Currently Amended) The method of claim 133, further comprising loading data into the database system for business according to the received instructions ~~contained in~~ entered into the metadata schema.

158. (Currently Amended) The method of claim 157, further comprising operating on the database system for business according to the received instructions ~~contained in~~ entered into the metadata schema.

159. (Currently Amended) The computer system of claim 141, wherein the computer program further includes computer instructions for loading data into the database system for business according to the received instructions ~~contained in~~ entered into the metadata schema.

160. (Currently Amended) The computer system of claim 159, wherein the computer program further includes computer instructions for operating on the database system for business according to the received instructions ~~contained in~~ entered into the metadata schema.

161. (Currently Amended) The computer readable storage medium of claim 149, wherein execution of the software instructions further comprises loading data into the database system for business according to the received instructions ~~contained in~~ entered into the metadata schema.

162. (Currently Amended) The computer readable storage medium of claim 161, wherein execution of the software instructions further comprises operating on the database system for business according to the received instructions ~~contained in~~ entered into the metadata schema.

163. (Currently Amended) A method of automatically generating a database system for business, the method comprising:

providing a metadata schema;

entering instructions for generating the database system into the metadata schema, the entered instructions having semantic definitions ~~into the metadata schema~~; and

generating the database system for business automatically using the semantic definitions of the entered instructions, whereby the database system for business is well-formed.

164. (Presently Presented) The method of claim 163, further comprising loading data into the automatically-generated database system for business according to the instructions entered into the metadata schema.

165. (Presently Presented) The method of claim 164, further comprising operating the database system for business according to the instructions entered into the metadata schema.

166. (Currently Amended) A method of automatically generating a database system for business, the method comprising:

receiving instructions for generating a database system for business, the received instructions having semantic definitions; and

generating ~~a database~~ the database system for business automatically using the semantic definitions of the received instructions, whereby the database system for business is well-formed.

167. (Currently Amended) The method of claim 166, further comprising loading data into the generated database system for business according to the received instructions.

168. (Currently Amended) The method of claim 167, further comprising operating the database system according to the received instructions.

169. (Currently Amended) The method of claim 140, wherein automatically generating the database system for business further comprises:

generating tables automatically according to the received instructions.

170. (Currently Amended) The method of claim 140, further comprising:

building aggregate tables according to the received instructions.



171. (Currently Amended) The method of claim 140, wherein operating on the database system for business further comprises:

receiving further instructions defining a query mechanism from a user to ~~define a query mechanism~~; and

generating queries according to the received further instructions.

172. (Currently Amended) The method of claim 140, wherein operating on the database system for business further comprises:

generating reports according to the received instructions.

173. (Presently Presented) The method of claim 140, further comprising:

receiving a modification of the metadata schema; and

adjusting the database system for business automatically according to the modification.

174. (Currently Amended) The method of claim 140, further comprising loading data into the database system for business according to the received instructions ~~contained in the metadata schema~~.

175. (Currently Amended) The method of claim 174, further comprising operating on the database system for business according to the received instructions ~~contained in the metadata schema~~.

176. (Currently Amended) The computer system of claim 148, wherein the computer program further includes computer instructions for:

generating tables automatically according to the received instructions.

177. (Currently Amended) The computer system of claim 148, wherein the computer program further includes computer instructions for:

building aggregate tables according to the received instructions.

178. (Currently Amended) The computer system of claim 148, wherein the computer program further includes computer instructions for:

receiving further instructions defining a query mechanism from a user to ~~define a query mechanism~~; and  
generating queries according to the received further instructions.

179. (Currently Amended) The computer system of claim 148, wherein the computer program further includes computer instructions for:

generating reports according to the received instructions.

180. (Previously Presented) The computer system of claim 148, wherein the computer program further includes computer instructions for:

receiving a modification of the metadata schema; and  
adjusting the database system for business automatically according to the modification.

181. (Currently Amended) The computer system of claim 148, wherein the computer program further includes computer instructions for:

loading data into the database system for business according to the received instructions ~~contained in the metadata schema~~.

182. (Currently Amended) The computer system of claim 181, wherein the computer program further includes computer instructions for:

operating on the ~~business~~ database system for business according to the received instructions contained in the metadata schema.

183. (Currently Amended) The computer readable storage medium of claim 156, wherein execution of the software instructions further comprises:

generating tables automatically according to the received instructions.

184. (Currently Amended) The computer readable storage medium of claim 156, wherein execution of the software instructions further comprises:

building aggregate tables according to the received instructions.

185. (Currently Amended) The computer readable storage medium of claim 156, wherein execution of the software instructions further comprises:

receiving further instructions defining a query mechanism from a user to  
~~define a query mechanism~~; and

generating queries according to the received further instructions.

186. (Currently Amended) The computer readable storage medium of claim 156, wherein execution of the software instructions further comprises:

generating reports according to the received instructions.

187. (Currently Amended) The computer readable storage medium of claim 156, wherein execution of the software instructions further comprises:

receiving a modification of the metadata schema; and

adjusting the database system for business automatically according to the  
modification.

188. (Currently Amended) The computer readable storage medium of claim 156, wherein execution of the software instructions further comprises loading data into the database system for business according to the received instructions ~~contained in the metadata schema~~.

189. (Currently Amended) The computer readable storage medium of claim 188, wherein execution of the software instructions further comprises operating on the database system for business according to the received instructions ~~contained in the metadata schema~~.